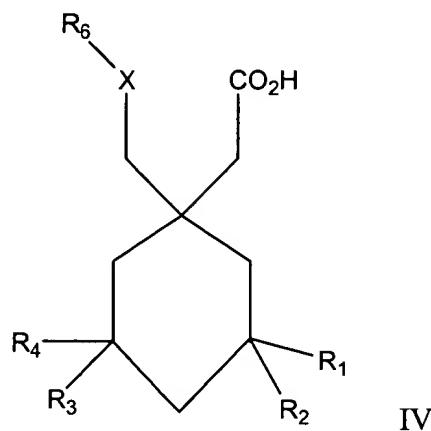


IN THE CLAIMS

Claim 1 (Currently Amended) A compound of Formula IV



R₁-R₄ are hydrogen or alkyl;

X is NR₅ or O;

R₅ is hydrogen or alkyl,

R₆ is hydrogen, alkyl, benzyl, alkanoyl, alkoxyalkanoyl, arylalkyl, alkoxy, cycloalkyl, allyl, alkylcycloalkyl, ~~alkoxy, cycloalkyl, alkylcycloalkyl~~, trisubstituted halogenalkyl, and wherein X is NR₅ and R₁-R₄ are each hydrogen, ~~the then~~ R₆ is not hydrogen ~~or methyl, alkyl, cycloalkyl, benzyl or acetyl~~ or a pharmaceutically acceptable salt, ester, prodrug, or amide thereof, with the proviso that X-R₆ may not be NH₂.

Claim 2 (Original) A compound according to claim 1 wherein R₂ and R₄ are hydrogen and R₁ and R₃ are alkyl; R₂ and R₄ are hydrogen and R₁ and R₃ are methyl; R₁-R₄ are hydrogen; R₁ is alkyl and R₂-R₄ are hydrogen; R₁ is methyl and R₂-R₄ are hydrogen; R₅ is hydrogen; X is NR₆; X is O; R₆ is alkyl; R₆ is benzyl; R₆ is acetyl; R₆ is phenylalkyl; R₆ is cycloalkyl; R₆ is trifluoroalkyl; R₆ is alkylcycloalkyl; R₆ is alkoxy; and R₆ is allyl.

Claim 3 (Original) A compound according to claim 1 wherein R₂ and R₄ are hydrogen and R₁ and R₃ are methyl; R₁-R₄ are hydrogen; R₁ is methyl and R₂-R₄ are hydrogen; R₅ is

hydrogen; X is NR₆; R₆ is alkyl; R₆ is benzyl; R₆ is acetyl; R₆ is phenylalkyl; R₆ is cycloalky; R₆ is trifluoroalkyl; R₆ is alkylcycloalkyl; R₆ is alkoxy; and R₆ is allyl.

Claim 4 (Original) A compound according to claim 1 wherein R₂ and R₄ are hydrogen and R₁ and R₃ are methyl; R₁-R₄ are hydrogen.

Claim 5 (Previously presented) A compound according to Claim 1 and selected from the group consisting of:

(1-Allylaminomethyl-cyclohexyl)-acetic acid;
(1-Prop-2-ynylaminomethyl-cyclohexyl)-acetic acid;
{1-[(2,2,2-Trifluoro-ethylamino)-methyl]-cyclohexyl}-acetic acid;
{1-[(3,3,3-Trifluoro-propylamino)-methyl]-cyclohexyl}-acetic acid;
1 α ,3 β ,5 β - (1-Allylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid;
1 α ,3 β ,5 β - (3,5-Dimethyl-1-prop-2-ynylaminomethyl-cyclohexyl)-acetic acid;
1 α ,3 β ,5 β - {3,5-Dimethyl-1-[(2,2,2-trifluoro-ethylamino)-methyl]-cyclohexyl}-acetic acid;
1 α ,3 β ,5 β - {3,5-Dimethyl-1-[(3,3,3-trifluoro-propylamino)-methyl]-cyclohexyl}-acetic acid;
trans-((1R,3R)-1-Allylaminomethyl-3-methyl-cyclohexyl)-acetic acid;
trans-((1R,3R)-3-Methyl-1-prop-2-ynylaminomethyl-cyclohexyl)-acetic acid;
trans- {(1R,3R)-3-Methyl-1-[(2,2,2-trifluoro-ethylamino)-methyl]-cyclohexyl}-acetic acid;
trans- {(1R,3R)-3-Methyl-1-[(3,3,3-trifluoro-propylamino)-methyl]-cyclohexyl}-acetic acid;
trans- {(1R,3R)-3-Methyl-1-[(4,4,4-trifluoro-butylamino)-methyl]-cyclohexyl}-acetic acid;
1 α ,3 β ,5 β - {3,5-Dimethyl-1-[(4,4,4-trifluoro-butylamino)-methyl]-cyclohexyl}-acetic acid;
1 α ,3 β ,5 β - {1-[(Cyclopropylmethyl-amino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic acid;

trans-<{(1R,3R)-1-[(Cyclopropylmethyl-amino)-methyl]-3-methyl-cyclohexyl}-acetic acid;

trans-((1R,3R)-3-Methyl-1-methylaminomethyl-cyclohexyl)-acetic acid;

trans-((1R,3R)-1-Ethylaminomethyl-3-methyl-cyclohexyl)-acetic acid;

trans-((1R,3R)-3-Methyl-1-propylaminomethyl-cyclohexyl)-acetic acid;

trans-((1R,3R)-1-Butylaminomethyl-3-methyl-cyclohexyl)-acetic acid;

trans-((1R,3R)-1-Hydroxymethyl-3-methyl-cyclohexyl)-acetic acid;

1 α ,3 β ,5 β -{1-[(Hydroxymethyl-amino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic acid;

1 α ,3 β ,5 β -(3,5-Dimethyl-1-propylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

1 α ,3 β ,5 β -(1-Ethylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid, hydrochloride salt;

1 α ,3 β ,5 β -(1-Benzylamino-methyl)-3,5-dimethyl-cyclohexyl]-acetic acid, hydrochloride salt;

1 α ,3 β ,5 β -(1-Dimethylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid, hydrochloride salt;

1 α ,3 β ,5 β -(1-Butylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid, hydrochloride salt;

1 α ,3 β ,5 β -{1-[(Benzyl-methyl-amino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic acid, hydrochloride salt;

1 α ,3 β ,5 β -(3,5-Dimethyl-1-methylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

1 α ,3 β ,5 β -[1-(Acetylamino-methyl)-3,5-dimethyl-cyclohexyl]-acetic acid;

1 α ,3 β ,5 β -[1-(Isobutylamino-methyl)-3,5-dimethyl-cyclohexyl]-acetic acid, hydrochloride salt;

1 α ,3 β ,5 β -[3,5-Dimethyl-1-(phenethylamino-methyl)-cyclohexyl]-acetic acid, hydrochloride salt;

1 α ,3 β ,5 β -{3,5-Dimethyl-1-[(3-phenyl-propylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

{1-[(Cyclobutylmethyl-amino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

1 α ,3 β ,5 β -[1-(Isopropylamino-methyl)-3,5-dimethyl-cyclohexyl]-acetic acid, hydrochloride salt;

{1-[(2-Methyl-butylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

{1-[(4,4,4-Trifluoro-butylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

(1-Ethylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

{1-[(Cyclopropylmethyl-amino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

{1-[(2-Hydroxy-1-methyl-ethylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

[1-(Isobutylamino-methyl)-cyclohexyl]-acetic acid, hydrochloride salt;

(1-Propylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

[1-(Isopropylamino-methyl)-cyclohexyl]-acetic acid, hydrochloride salt;

(1-Cyclohexylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

[1-(Benzylamino-methyl)-cyclohexyl]-acetic acid, hydrochloride salt;

((1R,3R)-3-Methyl-1-propylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

{1-[(Cyclopentylmethyl-amino)-methyl]-cyclohexyl}-acetic acid, hydrochloric salt;

{1-[(Cyclohexylmethyl-amino)-methyl]-cyclohexyl}-acetic acid, hydrochloric salt;

[1-(*tert*-Butoxycarbonyl-amino-methyl)-cyclohexyl]-acetic acid;

[1-(Acetylamino-methyl)-cyclohexyl]-acetic acid;

((3R, 5S)-1-Cyclobutylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid, hydrochloride salt;

((3R, 5S)-3,5-Dimethyl-1-[(2-methyl-butylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

((3R, 5S)-1-[(2-Hydroxy-1-methyl-ethylamino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic acid, hydrochloride salt;

{(3R, 5S)-1-[(2,2-Dimethoxy-ethylamino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic acid, hydrochloride salt;

{(3R, 5S)-1-[(Cyclopentylmethyl-amino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic acid, hydrochloride salt;

{(3R,5S)-1-[(Cyclohexylmethyl-amino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic acid, hydrochloride salt;

((3R, 5S)-1-Cyclohexylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid, hydrochloride salt;

((3R,5S)-1-Carboxymethyl-3,5-dimethyl-cyclohexyl)-acetic acid;

trans-((3R, 5S)-1-Hydroxymethyl-3,5-dimethyl-cyclohexyl-acetic acid, hydrochloride salt;

cis-((3R, 5S)-1-Hydroxymethyl-3,5-dimethyl-cyclohexyl-acetic acid, hydrochloride salt;

(1-Dimethylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

(1-Butylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

{1-[2,2-Dimethoxy-ethylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

(1-methylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

{1-[(Benzyl-methyl-amino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

[1-(Phenethylamino-methyl)-cyclohexyl]-acetic acid, hydrochloride salt;

{1-[(3-Phenyl-propylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

((3R, 5S)-1-Hydroxymethyl-3,5-dimethyl-cyclohexyl)-acetic acid, sodium salt;

((3R, 5S)-1-Ethylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid, hydrochloride salt;

((3R, 5S)-3,5-Dimethyl-1-propylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

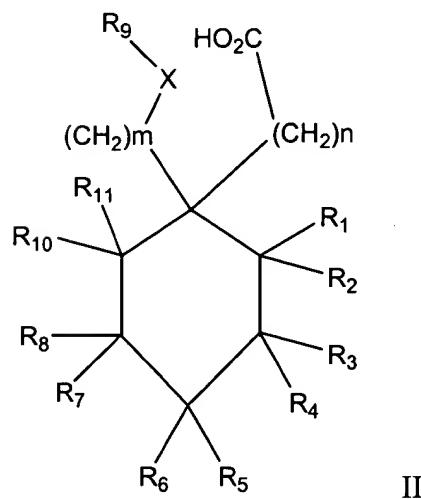
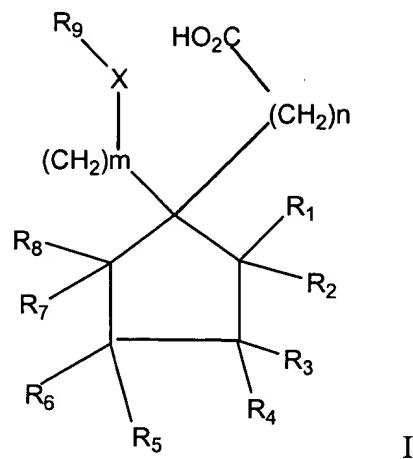
[(1R, 3R)-1-(Benzylamino-methyl)-3-methyl-cyclohexyl]-acetic acid, hydrochloride salt;

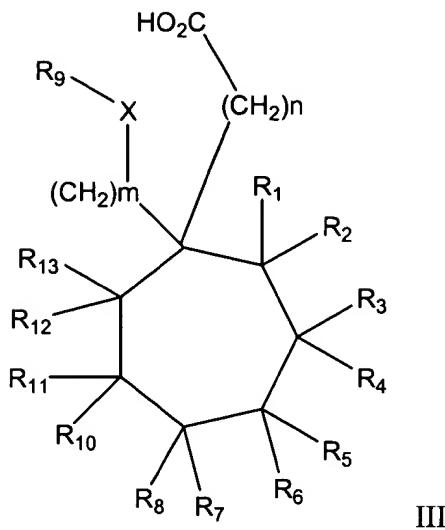
{(1R, 3R)-1-[(Benzyl-methyl-amino)-methyl]-3-methyl-cyclohexyl}-acetic acid, hydrochloride salt;

or

((1R, 3R)-3-Methyl-1-methylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

Claim 6 (Original) A method for treating diabetic retinopathy comprising the step of administering a therapeutically effective amount of a compound of Formulas I, II, and/or III to a patient in need thereof





wherein:

R_9 is H; alkyl; cycloalkyl; substituted alkyl containing halogen, amine, alkoxy, cycloalkyl, or hydroxy; allyl; alkynyl; alkanoyl; alkoxyalkanoyl; sulfonyl; phenyl; benzyl; or arylalkyl;

m and n are independently an integer of 1-3;

$R_1 - R_8$ and $R_{10} - R_{14}$ are independently H, alkyl, or substituted alkyl; and

$X = NR_{14}$, O, or S

where there is more than one stereoisomer, each chiral center may be independently R or S; or a pharmaceutically acceptable salt, ester, prodrug, or amide thereof.

Claim 7 (Original) The method of Claim 6 wherein m and n are 1; X is NR_{14} ; R_9 is H; R_4 is methyl; R_4 and R_5 are methyl; R_8 is methyl; R_{10} is methyl; R_7 and R_8 are methyl; R_4 and R_8 are methyl; R_1-R_8 and $R_{10}-R_{13}$ are H; R_9 is alkyl; R_9 is benzyl; R_{14} is alkyl; R_9 is arylalkyl; R_9 is cycloalkyl; R_1-R_8 are H; R_1-R_8 and $R_{10}-R_{11}$ are H; R_1-R_2 and R_7-R_8 are H; or R_2 is methyl.

Claim 8 (Original) The method of Claim 6 wherein R_3 is alkyl, R_1-R_2 and R_4-R_{11} and R_{14} are hydrogen, and m and n are 1, and X is NR_{14} ; R_3 and R_{11} are alkyl, R_1-R_2 and R_4-R_{10} and R_{14} are hydrogen, m and n are 1, and X is NR_{14} ; R_3 and R_{11} are alkyl, R_1-R_2 and R_4-R_{10} and R_{14} are hydrogen, m and n are 1, R_9 is alkyl, and X is NR_{14} ; and R_1-R_{11} and R_{14} are hydrogen, m and n are 1, and X is O.

Claim 9 (Original) The method of Claim 6 wherein the compound is selected from the group consisting of:

(1-Allylaminomethyl-cyclohexyl)-acetic acid;
(1-Prop-2-ynylaminomethyl-cyclohexyl)-acetic acid;
{1-[(2,2,2-Trifluoro-ethylamino)-methyl]-cyclohexyl}-acetic acid;
{1-[(3,3,3-Trifluoro-propylamino)-methyl]-cyclohexyl}-acetic acid;
1 α ,3 β ,5 β - (1-Allylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid;
1 α ,3 β ,5 β - (3,5-Dimethyl-1-prop-2-ynylaminomethyl-cyclohexyl)-acetic acid;
1 α ,3 β ,5 β - {3,5-Dimethyl-1-[(2,2,2-trifluoro-ethylamino)-methyl]-cyclohexyl}-acetic acid;
1 α ,3 β ,5 β - {3,5-Dimethyl-1-[(3,3,3-trifluoro-propylamino)-methyl]-cyclohexyl}-acetic acid;
trans-((1R,3R)-1-Allylaminomethyl-3-methyl-cyclohexyl)-acetic acid;
trans-((1R,3R)-3-Methyl-1-prop-2-ynylaminomethyl-cyclohexyl)-acetic acid;
trans- { (1R,3R)-3-Methyl-1-[(2,2,2-trifluoro-ethylamino)-methyl]-cyclohexyl}-acetic acid;
trans- { (1R,3R)-3-Methyl-1-[(3,3,3-trifluoro-propylamino)-methyl]-cyclohexyl}-acetic acid;
trans- { (1R,3R)-3-Methyl-1-[(4,4,4-trifluoro-butylamino)-methyl]-cyclohexyl}-acetic acid;
1 α ,3 β ,5 β - {3,5-Dimethyl-1-[(4,4,4-trifluoro-butylamino)-methyl]-cyclohexyl}-acetic acid;
1 α ,3 β ,5 β - {1-[(Cyclopropylmethyl-amino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic acid;
trans- { (1R,3R)-1-[(Cyclopropylmethyl-amino)-methyl]-3-methyl-cyclohexyl}-acetic acid;
trans-((1R,3R)-3-Methyl-1-methylaminomethyl-cyclohexyl)-acetic acid;
trans-((1R,3R)-1-Ethylaminomethyl-3-methyl-cyclohexyl)-acetic acid;
trans-((1R,3R)-3-Methyl-1-propylaminomethyl-cyclohexyl)-acetic acid;
trans-((1R,3R)-1-Butylaminomethyl-3-methyl-cyclohexyl)-acetic acid;

trans-((1R,3R)-1-Hydroxymethyl-3-methyl-cyclohexyl)-acetic acid;
1 α ,3 β ,5 β -{1-[(Hydroxymethyl-amino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic acid;
1 α ,3 β ,5 β -(1-Aminomethyl-3,5-diethyl-cyclohexyl)-acetic acid, hydrochloride;
trans-(1R,3R)(1-Aminomethyl-3-methyl-cyclohexyl)-acetic acid, hydrochloride;
(1-Aminomethyl-2-methyl-cyclohexyl)-acetic acid, hydrochloride;
(1-Aminomethyl-3,3-dimethyl-cyclohexyl)-acetic acid, hydrochloride;
(\pm)-(trans)-(1-Aminomethyl-3,4-dimethyl-cyclopentyl)-acetic acid, hydrochloride;
(cis/trans)-(3R)-(1-Aminomethyl-3-methyl-cyclopentyl)-acetic acid, hydrochloride;
(+)-(trans)-(1-Aminomethyl-3,4-dimethyl-cyclopentyl)-acetic acid, hydrochloride;
(+)-(trans)-(1-Aminomethyl-3,4-dimethyl-cyclopentyl)-acetic acid, hydrochloride;
1 α ,3 β ,5 β -(1-Aminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid, hydrochloride;
1 α ,3 β ,5 β -(3,5-Dimethyl-1-propylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;
1 α ,3 β ,5 β -(1-Ethylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid, hydrochloride salt;
1 α ,3 β ,5 β -(1-Benzylamino-methyl)-3,5-dimethyl-cyclohexyl]-acetic acid, hydrochloride salt;
1 α ,3 β ,5 β -(1-Dimethylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid, hydrochloride salt;
1 α ,3 β ,5 β -(1-Butylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid, hydrochloride salt;
1 α ,3 β ,5 β -{1-[(Benzyl-methyl-amino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic acid, hydrochloride salt;
1 α ,3 β ,5 β -(3,5-Dimethyl-1-methylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;
1 α ,3 β ,5 β -[1-(Acetylamino-methyl)-3,5-dimethyl-cyclohexyl]-acetic acid;
1 α ,3 β ,5 β -(1-(Isobutylamino-methyl)-3,5-dimethyl-cyclohexyl]-acetic acid, hydrochloride salt;

$1\alpha,3\beta,5\beta$ -[3,5-Dimethyl-1-(phenethylamino-methyl)-cyclohexyl]-acetic acid, hydrochloride salt;

$1\alpha,3\beta,5\beta$ -{3,5-Dimethyl-1-[(3-phenyl-propylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

{1-[(Cyclobutylmethyl-amino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

$1\alpha,3\beta,5\beta$ -(1-(Isopropylamino-methyl)-3,5-dimethyl-cyclohexyl]-acetic acid, hydrochloride salt;

1-Aminomethyl-1-cyclohexane-acetic acid;

1-Aminomethyl-1-cyclopentane-acetic acid;

1-Aminomethyl-1-cyclopentane-acetic acid, sodium salt;

1-(hydroxymethyl)cyclohexane-acetic acid, sodium salt;

{1-[(2-Methyl-butylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

{1-[(4,4,4-Trifluoro-butylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

(1-Ethylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

{1-[(Cyclopropylmethyl-amino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

{1-[(2-Hydroxy-1-methyl-ethylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

[1-(Isobutylamino-methyl)-cyclohexyl]-acetic acid, hydrochloride salt;

(1-Propylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

[1-(Isopropylamino-methyl)-cyclohexyl]-acetic acid, hydrochloride salt;

(1-Cyclohexylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

[1-(Benzylamino-methyl)-cyclohexyl]-acetic acid, hydrochloride salt;

((1R,3R)-3-Methyl-1-propylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

{1-[(Cyclopentylmethyl-amino)-methyl]-cyclohexyl}-acetic acid, hydrochloric salt;

{1-[(Cyclohexylmethyl-amino)-methyl]-cyclohexyl}-acetic acid, hydrochloric salt;

[1-(*tert*-Butoxycarbonylamino-methyl)-cyclohexyl]-acetic acid;
[1-(Acetylamino-methyl)-cyclohexyl]-acetic acid;
((3R, 5S)-1-Cyclobutylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid,
hydrochloride salt;
{(3R, 5S)-3,5-Dimethyl-1-[(2-methyl-butylamino)-methyl]-cyclohexyl}-acetic
acid, hydrochloride salt;
{(3R, 5S)-1-[(2-Hydroxy-1-methyl-ethylamino)-methyl]-3,5-dimethyl-
cyclohexyl}-acetic acid, hydrochloride salt;
{(3R, 5S)-1-[(2,2-Dimethoxy-ethylamino)-methyl]-3,5-dimethyl-cyclohexyl}-
acetic acid, hydrochloride salt;
{(3R, 5S)-1-[(Cyclopentylmethyl-amino)-methyl]-3,5-dimethyl-cyclohexyl}-
acetic acid, hydrochloride salt;
{(3R,5S)-1-[(Cyclohexylmethyl-amino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic
acid, hydrochloride salt;
((3R, 5S)-1-Cyclohexylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid,
hydrochloride salt;
((3R,5S)-1-Carboxymethyl-3,5-dimethyl-cyclohexyl)-acetic acid;
trans-((3R, 5S)-1-Hydroxymethyl-3,5-dimethyl-cyclohexyl-acetic acid,
hydrochloride salt;
cis-((3R, 5S)-1-Hydroxymethyl-3,5-dimethyl-cyclohexyl)-acetic acid,
hydrochloride salt;
(1-Dimethylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;
(1-Butylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;
{1-[2,2-Dimethoxy-ethylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride
salt;
(1-methylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;
{1-[(Benzyl-methyl-amino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;
[1-(Phenethylamino-methyl)-cyclohexyl]-acetic acid, hydrochloride salt;
{1-[(3-Phenyl-propylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;
((3R, 5S)-1-Hydroxymethyl-3,5-dimethyl-cyclohexyl)-acetic acid, sodium salt;

((3R, 5S)-1-Ethylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid, hydrochloride salt;

(1-Aminomethyl-4-ethyl-cyclohexyl)-acetic acid, hydrochloric salt;

(1-Aminomethyl-4-propyl-cyclohexyl)-acetic acid, hydrochloric salt;

((3R, 5S)-3,5-Dimethyl-1-propylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

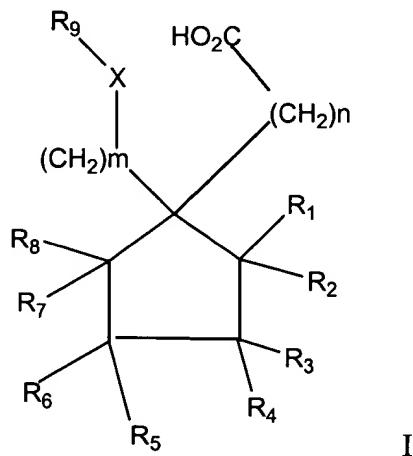
[(1R, 3R)-1-(Benzylamino-methyl)-3-methyl-cyclohexyl]-acetic acid, hydrochloride salt;

{(1R, 3R)-1-[(Benzyl-methyl-amino)-methyl]-3-methyl-cyclohexyl}-acetic acid, hydrochloride salt;

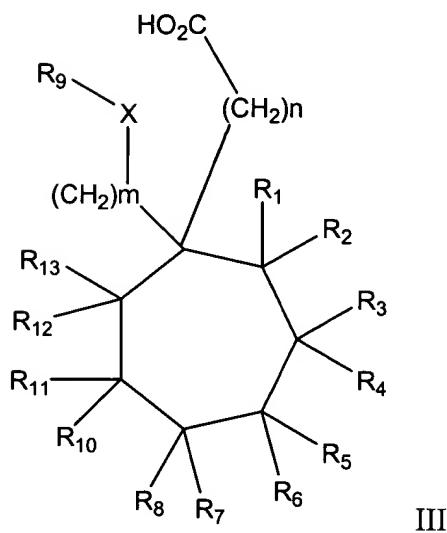
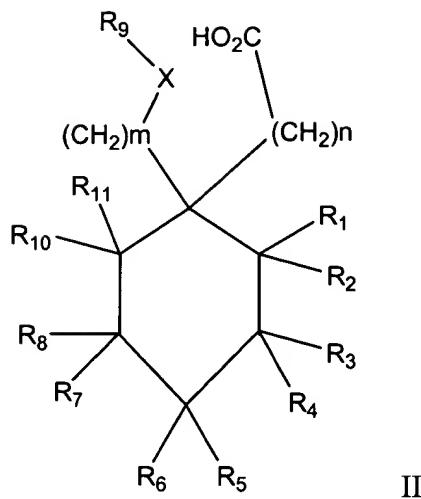
or

((1R, 3R)-3-Methyl-1-methylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

Claim 10 (Original) A method for inhibiting the branch chain amino acid-dependent aminotransferase in a patient in need thereof comprising the step of administering a therapeutically effective amount of a compound of Formulas I, II, and/or III



I



wherein:

R_9 is H; alkyl; cycloalkyl; substituted alkyl containing halogen, amine, alkoxy, cycloalkyl, or hydroxy; allyl; alkynyl; alkanoyl; alkoxyalkanoyl; sulfonyl; phenyl; benzyl; or arylalkyl;

m and n are independently an integer of 1-3;

$R_1 - R_8$ and $R_{10} - R_{14}$ are independently H, alkyl, or substituted alkyl; and
 $X = NR_{14}$, O, or S

where there is more than one stereoisomer, each chiral center may be independently R or S; or a pharmaceutically acceptable salt, ester, prodrug, or amide thereof

Claim 11 (Currently Amended) The method of Claim 10 wherein ~~wherein~~ m and n are 1; X is NR₁₄; R₉ is H; R₄ is methyl; R₄ and R₅ are methyl; R₈ is methyl; R₁₀ is methyl; R₇ and R₈ are methyl; R₄ and R₈ are methyl; R₁-R₈ and R₁₀-R₁₃ are H; R₉ is alkyl; R₉ is benzyl; R₁₄ is alkyl; R₉ is arylalkyl; R₉ is cycloalkyl; R₁-R₈ are H; R₁-R₈ and R₁₀-R₁₁ are H; R₁-R₂ and R₇-R₈ are H; or R₂ is methyl.

Claim 12 (Original) The method of Claim 10 wherein R₃ is alkyl, R₁-R₂ and R₄-R₁₁ and R₁₄ are hydrogen, and m and n are 1, and X is NR₁₄; R₃ and R₁₁ are alkyl, R₁-R₂ and R₄-R₁₀ and R₁₄ are hydrogen, m and n are 1, and X is NR₁₄; R₃ and R₁₁ are alkyl, R₁-R₂ and R₄-R₁₀ and R₁₄ are hydrogen, m and n are 1, R₉ is alkyl, and X is NR₁₄; and R₁-R₁₁ and R₁₄ are hydrogen, m and n are 1, and X is O.

Claim 13 (Original) The method of Claim 10 wherein the compound is selected from:

(1-Allylaminomethyl-cyclohexyl)-acetic acid;

(1-Prop-2-ynylaminomethyl-cyclohexyl)-acetic acid;

{1-[(2,2,2-Trifluoro-ethylamino)-methyl]-cyclohexyl}-acetic acid;

{1-[(3,3,3-Trifluoro-propylamino)-methyl]-cyclohexyl}-acetic acid;

1 α ,3 β ,5 β - (1-Allylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid;

1 α ,3 β ,5 β - (3,5-Dimethyl-1-prop-2-ynylaminomethyl-cyclohexyl)-acetic acid;

1 α ,3 β ,5 β - {3,5-Dimethyl-1-[(2,2,2-trifluoro-ethylamino)-methyl]-cyclohexyl}-acetic acid;

1 α ,3 β ,5 β - {3,5-Dimethyl-1-[(3,3,3-trifluoro-propylamino)-methyl]-cyclohexyl}-acetic acid;

trans-((1R,3R)-1-Allylaminomethyl-3-methyl-cyclohexyl)-acetic acid;

trans-((1R,3R)-3-Methyl-1-prop-2-ynylaminomethyl-cyclohexyl)-acetic acid;

trans- { (1R,3R)-3-Methyl-1-[(2,2,2-trifluoro-ethylamino)-methyl]-cyclohexyl}-acetic acid;

trans- { (1R,3R)-3-Methyl-1-[(3,3,3-trifluoro-propylamino)-methyl]-cyclohexyl}-acetic acid;

trans- { (1R,3R)-3-Methyl-1-[(4,4,4-trifluoro-butylamino)-methyl]-cyclohexyl}-acetic acid;

$1\alpha,3\beta,5\beta$ -{3,5-Dimethyl-1-[(4,4,4-trifluoro-butylamino)-methyl]-cyclohexyl}-acetic acid;

$1\alpha,3\beta,5\beta$ -{1-[(Cyclopropylmethyl-amino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic acid;

trans-{(1R,3R)-1-[(Cyclopropylmethyl-amino)-methyl]-3-methyl-cyclohexyl}-acetic acid;

trans-((1R,3R)-3-Methyl-1-methylaminomethyl-cyclohexyl)-acetic acid;

trans-((1R,3R)-1-Ethylaminomethyl-3-methyl-cyclohexyl)-acetic acid;

trans-((1R,3R)-3-Methyl-1-propylaminomethyl-cyclohexyl)-acetic acid;

trans-((1R,3R)-1-Butylaminomethyl-3-methyl-cyclohexyl)-acetic acid;

trans-((1R,3R)-1-Hydroxymethyl-3-methyl-cyclohexyl)-acetic acid;

$1\alpha,3\beta,5\beta$ -{1-[(Hydroxymethyl-amino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic acid;

$1\alpha,3\beta,5\beta$ -(1-Aminomethyl-3,5-diethyl-cyclohexyl)-acetic acid, hydrochloride;

trans-(1R,3R)(1-Aminomethyl-3-methyl-cyclohexyl)-acetic acid, hydrochloride;

(1-Aminomethyl-2-methyl-cyclohexyl)-acetic acid, hydrochloride;

(1-Aminomethyl-3,3-dimethyl-cyclohexyl)-acetic acid, hydrochloride;

(\pm)-(trans)-(1-Aminomethyl-3,4-dimethyl-cyclopentyl)-acetic acid, hydrochloride;

(cis/trans)-(3R)-(1-Aminomethyl-3-methyl-cyclopentyl)-acetic acid, hydrochloride;

(+)-(trans)-(1-Aminomethyl-3,4-dimethyl-cyclopentyl)-acetic acid, hydrochloride;

(+)-(trans)-(1-Aminomethyl-3,4-dimethyl-cyclopentyl)-acetic acid, hydrochloride;

$1\alpha,3\beta,5\beta$ -(1-Aminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid, hydrochloride;

$1\alpha,3\beta,5\beta$ -(3,5-Dimethyl-1-propylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

$1\alpha,3\beta,5\beta$ -(1-Ethylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid, hydrochloride salt;

$1\alpha,3\beta,5\beta$ -(1-Benzylamino-methyl)-3,5-dimethyl-cyclohexyl]-acetic acid, hydrochloride salt;

$1\alpha,3\beta,5\beta$ -(1-Dimethylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid, hydrochloride salt;

$1\alpha,3\beta,5\beta$ -(1-Butylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid, hydrochloride salt;

$1\alpha,3\beta,5\beta$ -{1-[(Benzyl-methyl-amino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic acid, hydrochloride salt;

$1\alpha,3\beta,5\beta$ -(3,5-Dimethyl-1-methylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

$1\alpha,3\beta,5\beta$ -[1-(Acetylamino-methyl)-3,5-dimethyl-cyclohexyl]-acetic acid;

$1\alpha,3\beta,5\beta$ -(1-(Isobutylamino-methyl)-3,5-dimethyl-cyclohexyl]-acetic acid, hydrochloride salt;

$1\alpha,3\beta,5\beta$ -[3,5-Dimethyl-1-(phenethylamino-methyl)-cyclohexyl]-acetic acid, hydrochloride salt;

$1\alpha,3\beta,5\beta$ -{3,5-Dimethyl-1-[(3-phenyl-propylamino)-methyl]-cyclohexyl} -acetic acid, hydrochloride salt;

{1-[(Cyclobutylmethyl-amino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

$1\alpha,3\beta,5\beta$ -(1-(Isopropylamino-methyl)-3,5-dimethyl-cyclohexyl]-acetic acid, hydrochloride salt;

1-Aminomethyl-1-cyclohexane-acetic acid;

1-Aminomethyl-1-cyclopentane-acetic acid;

1-Aminomethyl-1-cyclopentane-acetic acid, sodium salt;

1-(hydroxymethyl)cyclohexane-acetic acid, sodium salt;

{1-[(2-Methyl-butylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

{1-[(4,4,4-Trifluoro-butylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

(1-Ethylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

{1-[(Cyclopropylmethyl-amino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

{1-[(2-Hydroxy-1-methyl-ethylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

[1-(Isobutylamino-methyl)-cyclohexyl]-acetic acid, hydrochloride salt;
(1-Propylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;
[1-(Isopropylamino-methyl)-cyclohexyl]-acetic acid, hydrochloride salt;
(1-Cyclohexylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;
[1-(Benzylamino-methyl)-cyclohexyl]-acetic acid, hydrochloride salt;
((1R,3R)-3-Methyl-1-propylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;
{1-[Cyclopentylmethyl-amino)-methyl]-cyclohexyl}-acetic acid, hydrochloric salt;
{1-[(Cyclohexylmethyl-amino)-methyl]-cyclohexyl}-acetic acid, hydrochloric salt;
[1-(*tert*-Butoxycarbonylamo-n-methyl)-cyclohexyl]-acetic acid;
[1-(Acetylamino-methyl)-cyclohexyl]-acetic acid;
((3R, 5S)-1-Cyclobutylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid, hydrochloride salt;
{(3R, 5S)-3,5-Dimethyl-1-[(2-methyl-butylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;
{(3R, 5S)-1-[(2-Hydroxy-1-methyl-ethylamino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic acid, hydrochloride salt;
{(3R, 5S)-1-[(2,2-Dimethoxy-ethylamino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic acid, hydrochloride salt;
{(3R, 5S)-1-[(Cyclopentylmethyl-amino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic acid, hydrochloride salt;
{(3R,5S)-1-[(Cyclohexylmethyl-amino)-methyl]-3,5-dimethyl-cyclohexyl}-acetic acid, hydrochloride salt;
((3R, 5S)-1-Cyclohexylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid, hydrochloride salt;
((3R,5S)-1-Carboxymethyl-3,5-dimethyl-cyclohexyl)-acetic acid;
trans-((3R, 5S)-1-Hydroxymethyl-3,5-dimethyl-cyclohexyl)-acetic acid, hydrochloride salt;

cis-(3*R*, 5*S*)-1-Hydroxymethyl-3,5-dimethyl-cyclohexyl)-acetic acid, hydrochloride salt;

(1-Dimethylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

(1-Butylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

{1-[2,2-Dimethoxy-ethylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

(1-methylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

{1-[(Benzyl-methyl-amino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

[1-(Phenethylamino-methyl)-cyclohexyl]-acetic acid, hydrochloride salt;

{1-[(3-Phenyl-propylamino)-methyl]-cyclohexyl}-acetic acid, hydrochloride salt;

((3*R*, 5*S*)-1-Hydroxymethyl-3,5-dimethyl-cyclohexyl)-acetic acid, sodium salt;

((3*R*, 5*S*)-1-Ethylaminomethyl-3,5-dimethyl-cyclohexyl)-acetic acid, hydrochloride salt;

(1-Aminomethyl-4-ethyl-cyclohexyl)-acetic acid, hydrochloric salt;

(1-Aminomethyl-4-propyl-cyclohexyl)-acetic acid, hydrochloric salt;

((3*R*, 5*S*)-3,5-Dimethyl-1-propylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

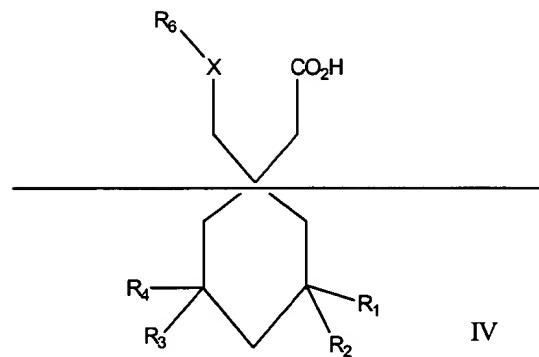
[(1*R*, 3*R*)-1-(Benzylamino-methyl)-3-methyl-cyclohexyl]-acetic acid, hydrochloride salt;

{(1*R*, 3*R*)-1-[(Benzyl-methyl-amino)-methyl]-3-methyl-cyclohexyl}-acetic acid, hydrochloride salt;

or

((1*R*, 3*R*)-3-Methyl-1-methylaminomethyl-cyclohexyl)-acetic acid, hydrochloride salt;

Claim 14 (Currently Amended) A method for treating neurological disorders, depression, anxiety, panic, mania, bipolar disorders, antiflammatory diseases, glaucoma, pain or gastrointestinal damage comprising the step of administering a therapeutically effective amount of a compound of Formula IV ~~to patient in need thereof~~



— R₁–R₄ are hydrogen or alkyl;
— X is NR₅ or O;
— R₅ is hydrogen or alkyl;
— R₆ is hydrogen, alkyl, benzyl, alkanoyl, alkoxyalkanoyl, arylalkyl, alkoxy, cycloalkyl, alkyl, alkylcycloalkyl, alkoxy, cycloalkyl, alkylcycloalkyl, trisubstituted halogenalkyl, and
wherein R₁–R₄ are each hydrogen the R₆ is not hydrogen or methyl; or a pharmaceutically
acceptable salt, ester, prodrug, or amide thereof, with the proviso that X–R₆ may not be NH₂
according to claim 1.